

CLAIMS

Ins #17

1. Telephony system including several payphones (10,10',10")
5 connected to a set (32) of information servers via a communication network
(1) characterised in that at least one of the information servers is connected
with Internet (2) and in that each payphone (10,10',10") is equipped with
Internet communication protocols (TCP/IP) complying with IETF technical
guidelines.

10 2. System according to claim 1, characterised in that it includes a
remote access server (20) able to put into communication all the payphones
(10,10',10") with the set (32) of the information servers by routing the
information via Internet addresses through the said communication network
(1).

15 3. System according to claim 2, characterised in that the said
communication network is an analogue or digital switched telephone
network (1)

20 4. System according to claim 1, characterised in that the said
communication network is the Internet, the said payphones (10, 10', 10")
being also connected with Internet.

25 5. System according to any of the claims 1 to 3 characterised in that
one communication interface (31) between the remote access server (20) and
the set (32) of information servers is able to monitor, synchronise and
regulate information exchange sessions between the payphones (10,10',10")
and the information servers (331,332,341,342,343).

30 6. System according to claim 5, characterised in that the said
information exchange session monitoring consists in establishing a reliable
and authenticated session between a payphone (10,10',10") and an
information server (331,332,341,342,343) and in piloting and regulating the
information exchange made via a standard file transfer complying with the
Internet protocols.

7. System according to one of the claims 5 or 6, characterised in that the said information exchange sessions include payphone management sessions between the management servers (331,332) and the payphones (10,10',10").

8. System according to claim 7, characterised in that the said management sessions include initialisation sessions for the payphones (10,10',10"), daily reports, alarm reports, downloading of software programmes and/or files, report on transactions.

9. System according to claim 8, characterised in that the said files include rate tables, configuration parameters, opposition or monitoring lists, files on the payphone status (10,10',10").

10. System according to any of claims 7 to 9, characterised in that the said management servers are made of a supervision server (331) and a software programme and/or file server (332).

11. System according to any of the claims 5 to 10, characterised in that the said information exchange sessions include sessions for providing services between servers of services (341,342,343) and the payphones (10,10',10").

12. System according to any of the claims 1 to 11, characterised in that the set (32) of information servers is arranged into a local network (30).

13. System according to one of the claims 11 or 12, characterised in that the said services are on line services provided on Internet (2) or self-managed on the local network (30).

14. System according to claim 13, characterised in that the said services provided on line include electronic mail, E-commerce.

15. System according to one of the claims 13 or 14, characterised in that the said services provided online comprise the content of Web pages for which the hyperlinks are attached to the function keys of payphones (10,10',10").

16. System according to one of the claims 13 to 15, characterised in that the said services provided on the local network (30) include the horoscope, the weather forecast, municipal services, etc.